```
RRR
RRR
RRR
RRR
RRR
                                   FFF
FFF
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                 RRR
RRR
RRR
                              RRR
RRR
RRR
```

Va

BL

RR RR RR

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BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	\$	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	RRRRRRRR RR RR RR RR RR RR RR RR RR RR RRRRRR	VV	RRRRRRRR RRRRRRRR RR RF RR RF RR RF RRRRRRRR
		\$			

Version: 'V04-000'

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Author Brian Porter

Creation date: 16-JUL-1982

Functional description:

This module displays events logged by the BSDRIVER (dt07).

Modified by:

V03-003 SAR0216 Sharon A. Reynolds, 28-Mar-1984 Changed the call to UCB\$L_OWNUIC to ORB\$L_OWNER.

V03-002 SAR0065 Sharon A. Reynolds, 20-Jun-1983 Changed the carriage control in the 'format' statements for use with ERF.

V03-001 SAR0037 Sharon A. Reynolds, 8-Jun-1983 Removed brief/cryptic support.

Subroutine BSDRIVER (lun)

include 'src3:msghdr.for /nolist'
include 'src3:deverr.for /nolist'

byte

Lun

```
2
```

```
F 13
16-Sep-1984 00:00:33
5-Sep-1984 13:48:56
                                                                                                                                                                                                                                                                                                                            VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: CERF.SRCJBSDRIVER.FOR;
 BSDRIVER
ucb$b_bs_errmsg
ucb$l_devdepend
ucb$l_bs_cur
ucb$l_bs_pre
                                                            integer*4
                                                            integer*4
                                                            integer*4
                                                            integer*4
                                                                                                                    (emb$l_dv_regsav(0),ucb$b_bs_errmsg)
(emb$l_dv_regsav(1),ucb$l_devdepend)
(emb$l_dv_regsav(2),ucb$l_bs_cur)
(emb$l_dv_regsav(3),ucb$l_bs_pre)
                                                          equivalence
                                                          equivalence
                                                          equivalence
                                                          equivalence
                                                                                    vlucbsl_devdepend(0:12)
vlucbsl_devdepend(0) /''OWNER'', CURRENT PROCESS*'/
vlucbsl_devdepend(1) /'ATTENTION AST ENABLED*'/
vlucbsl_devdepend(2) /'SWITCHED BUS IN USE*'/
vlucbsl_devdepend(3) /'PORT HAS PRIMARY STATUS*'/
vlucbsl_devdepend(4) /'CURRENTLY IN PROGRAM MODE*'/
vlucbsl_devdepend(5) /'CURRENTLY IN MANUAL MODE*'/
vlucbsl_devdepend(6) /'DRIVER STATUS INITIALIZED*'/
vlucbsl_devdepend(7) /'SWITCHED DEVICES MARKED OFFLINE*'/
vlucbsl_devdepend(8) /'SWITCHED BUS DISCONNECT-IN-PROG*'/
vlucbsl_devdepend(9) /'SWITCHED BUS CONNECT-IN-PROG*'/
vlucbsl_devdepend(10)/'SWITCHED BUS CONNECTED*'/
vlucbsl_devdepend(11)/''UBA'' INITIALIZE-IN-PROGRESS*'/
vlucbsl_devdepend(12)/'DEVICE INTERRUPT DISABLED*'/
                                                          character*32
                                                          data
                                                          data
```

```
character*31
                                              v1csr(0:15)
                       v1csr(0)
v1csr(1)
                                                                     /'REQUEST*'/
/'HOLD*'/
data
                                                                    /'HOLD*'/
/'REQUEST LINE #0*'/
/'REQUEST LINE #1*'/
/'REQUEST LINE #2*'/
/'REQUEST LINE #3*'/
/'INTERRUPT ENABLE*'/
/'PORT CONNECTED TO SWITCHED BUS*'/
/'PORT REQUESTING MASTERSHIP*'/
/'GENERATE RESET PULSE*'/
/'PORT IN MANUAL MODE*'/
/'POWER-OK OTHER PORTS*'/
/'EXTERNAL INTERRUPT*'/
/'SWITCHED BUS ACTIVE*'/
/'SWITCHED BUS POWER-FAILURE*'/
/'TIMEOUT*'/
data
                      v1csr(2)
v1csr(3)
v1csr(4)
v1csr(5)
data
data
data
data
                       v1csr(6)
v1csr(7)
data
data
                       v1csr(8)
v1csr(9)
v1csr(10)
v1csr(11)
data
data
data
data
                       v1csr(12)
v1csr(13)
data
data
data
                       v1csr(14)
                       v1csr(15)
data
call frctof (lun)
```

call dhead1 (lun, 'UBA DT07')

call ucb\$\$b_bs_errmsg (lun,ucb\$b_bs_errmsg)

call linchk (lun,1)

call linchk (lun,2)

```
BSDRIVER
                                                                                                     VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]BSDRIVER.FOR
                                                                                                                                                       3
                  write(lun,20) 'DT07 'CSR', CURRENT CONTENTS' format(/' ',a)
         20
                  call linchk (lun,2)
                  write(lun,25) ucb$l_bs_cur
format(/' ',t8,'UCB$L_BS_CUR',t24,z8.8)
         25
                  call output (lun,ucb$l_bs_cur,v1csr,0,0,15,'0')
                  call linchk (lun.2)
                  write(lun,20) 'DT07 "CSR", PREVIOUS CONTENTS'
                  call linchk (lun.2)
                  write(lun,30) ucb$l_bs_pre
format(/' ',t8,'UCB$L_BS_PRE',t24,z8.8)
         30
                  call output (lun,ucb$l_bs_pre,v1csr,0,0,15,'0')
                  call linchk (lun,1)
                  write(lun,32)
format(',:)
         32
                  call orb$l_owner (lun,emb$l_dv_ownuic)
                  call ucb$l_char (lun,emb$l_dv_char)
                  call ucb$w_sts (lun,emb$w_dv_sts)
                  call linchk (lun,1)
                  write(lun,35) ucb$l_devdepend
format(' ',t8,'UCB$L_DEVDEPEND',t24,z8.8)
         35
                  call output (lun,ucb$l_devdepend,v1ucb$l_devdepend,0,0,12,'0')
                  call ucb$l_opcnt (lun,emb$l_dv_opcnt)
                  call ucb$w_errcnt (lun,emb$w_dv_errcnt)
                  if (emb$w_hd_entry .ne. 98) then
                  call linchk (lun,1)
                  write(lun.32)
                  if (emb$w_dv_func .eq. 2) then
                  call irp$w_func (lun,emb$w_dv_func,'10$_READEXT*')
                  else if (emb$w_dv_func .eq. 5) then
                  call irp$w_func (lun,emb$w_dv_func,'10$_DISCONNECT*')
```

```
H 13
16-Sep-1984 00:00:33
5-Sep-1984 13:48:56
BSDRIVER
                                                                                                                                                                                                  VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]BSDRIVER.FOR; 1
                                   else if (emb$w_dv_func .eq. 50) then
                                    call irp$w_func (lun,emb$w_dv_func,'IO$_CONNECT*')
                                   call irp$w_func (lun,emb$w_dv_func,'QIO FUNCTION CODE*')
endif
                                   call irp$l_pid (lun,emb$l_dv_rqpid)
                                   call irp$q_iosb (lun,emb$l_dv_iosb1)
endif
                                   return
                                   end
PROGRAM SECTIONS
         Name
                                                                                                             Attributes
                                                                                          Bytes
                                                                                                           PIC CON REL LCL SHR EXE PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE PIC OVR REL GBL SHR NOEXE
                                                                                             625
240
1340
512
        $CODE
                                                                                                                                                                              RD
RD
                                                                                                                                                                                     NOWRT LONG
         SPDATA
                                                                                                                                                                                     NOWRT
                                                                                                                                                                                                  LONG
     2 $LO
        SLOCAL
                                                                                                                                                                              RD
                                                                                                                                                                                          WRT
                                                                                                                                                                                                  LONG
                                                                                                                                                                                         WRT LONG
                                                                                             2717
         Total Space Allocated
ENTRY POINTS
         Address Type
                                          Name
    0-00000000
                                          BSDRIVER
VARIABLES
         Address Type Name
                                                                                                                          Address Type
                                                                                                                                                          Name
                                                                                                                       -00000010
-0000003E
-00000012
-00000026
-0000002E
-0000003F
-0000003C
-0000003C
-0000002A
-0000005E
                                                                                                                                                          EMB$B_DV_ERTCNT
EMB$B_DV_NAMLNG
EMB$B_DV_TYPE
EMB$L_DV_IOSB1
EMB$L_DV_MEDIA
EMB$L_DV_OPCNT
EMB$L_DV_RQPID
EMB$T_DV_NAME
EMB$W_DV_BOFF
EMB$W_DV_FUNC
EMB$W_DV_UNIT
EMB$W_DV_UNIT
EMB$W_HD_ERRSEQ
UCB$L_BS_PRE
                                         EMB$B_DV_CLASS
EMB$B_DV_ERTMAX
EMB$B_DV_SLAVE
EMB$L_DV_CHAR
EMB$L_DV_IOSB2
EMB$L_DV_NUMREG
EMB$L_DV_OWNUIC
EMB$L_HD_SID
EMB$W_DV_BCNT
EMB$W_DV_ERRCNT
EMB$W_DV_STS
EMB$W_HD_ENTRY
LUN
                                                                                                                                               L*1
L*1
L*1
         -0000001C
                               L+1
     3-00000011

3-000003A

3-0000036

3-00000016

3-0000032

3-00000000

3-00000024

3-00000024

3-0000001A

3-0000004

AP-00000004

3-0000005A
                               L+1
                                1+4
                                                                                                                                                1+4
                                1+4
                                                                                                                                                 1+4
                                1 =4
                                                                                                                                                1+4
                                                                                                                                                CHAR
                               I*4
I*2
I*2
I*2
L*1
                                                                                                                                                I * 2
I * 2
I * 2
I * 4
```

UCB\$L_BS_CUR

BI

BSDRIVER				I 13 16-Sep-1984 00:00:33 5-Sep-1984 13:48:56		00:33	VAX-11 FORTRAN V3.4-56 Page DISK\$VMSMASTER: [ERF.SRC]BSDRIVER.FOR; 1		
3-00000056 1+4 UCB\$L_DEVDEPEND				3-3ep-1704 13.40.50			VISAGINSTENTENTENT SACIDSDRIVER. FOR; I		
ARRAYS									
Address	Type	Name			Bytes	Dimensions			
3-0000000 3-0000052 3-0000006 2-00001A0 2-0000000	L*1 I*4 I*4 CHAR CHAR	EMB EMB\$L_DV_REGSAV EMB\$Q_HD_TIME V1CSR V1UCB\$L_DEVDEPEN	D		512 420 8 496 416	(0:511) (0:104) (2) (0:15) (0:12)			
LABELS									
Address	Label	Address	Label	Address	Label	Address	Label	Address Labe	l
1-00000095	20'	1-0000009B	25'	1-00000085	30'	1-000000CF	32'	1-000000D4 35°	
FUNCTIONS AND	SUBRO	DUTINES REFERENCE	D						
Type Name			Ty	pe Name			Туре	Name	
DHEAD IRP\$Q ORB\$L UCB\$L UCB\$W	-IOSB -OWNER -CHAR			FRCTOF IRP\$W_FUI OUTPUT UCB\$L_OP(IRP\$L_PID LINCHR UCB\$\$B_BS_ERRMSG UCB\$W_ERRCNT	

BI

C**Re-written routine, delete old one after testing.

Page

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER: [ERF.SRC]BSDRIVER.FOR; 1

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K 13
16-Sep-1984 00:00:33
5-Sep-1984 13:48:56
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                                                                    Subroutine UCB$$B_BS_ERRMSG (lun,ucb$b_bs_errmsg)
                                                                    byte
                                                                                                                                      Lun
                                                                    integer*4
                                                                                                                                      ucb$b_bs_errmsq
                                                                                                                                      Swi_bus, manual, prog, conn, dis_conn, fail MsgT,msg2,msg3
                                                                    Character*(*)
                                                                    Character*(*)
                                                                    Character*80
                                                                                                                                      Message
                                                                    Parameter
                                                                   Parameter

1 Swi_bus = 'SWITCHED BUS, ',

2 Manual = 'MANUAL',

3 Prog = 'PROGRAMABLE',

4 Fail = 'POWER-FAILURE',

5 Conn = 'CONNECT TO THIS PORT',

6 Dis_conn = 'DISCONNECT FROM THIS PORT',
                                                                   1 Msg1 = "'UBA" INITIALIZE IN PROGRESS',
2 Msg2 = 'PORT HAS RECEIVED UNRECOGNIZED INTERRUPT',
3 Msg3 = 'PORT HAS ENCOUNTERED ILLEGAL CONDITION')
                                                                    call linchk (lun.2)
                                                                    Goto (10,20,30,40,50,60,70,80) ucb$b_bs_errmsg
                                                                   write(lun,15) ucb$b_bs_errmsg
format(/' ',t8,'UCB$B_BS_ERRMSG',t24,z8.8)
                                  15
                                                                    return
                                                                   Message = swi_bus // manual // conn
Length = len (swi_bus) + len (manual) + len (conn)
                                  10
                                                                    Goto 999
                                  20
                                                                   Message = swi_bus // manual // dis_conn
Length = len (swi_bus) + len (manual) + len (dis_conn)
                                                                    Goto 999
                                  30
                                                                   Message = swi_bus // fail // dis_conn
Length = len (swi_bus) + len (fail) + len (dis_conn)
                                                                    Goto 999
                                                                   Message = swi_bus // prog // dis_conn
Length = len (swi_bus) + len (prog) + len (dis_conn)
Goto 999
                                  40
                                                                   Message = swi_bus // prog // conn
Length = len (swi_bus) + len (prog) + len (conn)
                                   50
                                                                    Goto 999
                                  60
                                                                    Message = msq1
                                                                    Length = len (msg1)
                                                                    Goto 999
                                   70
                                                                    Message = msg2
                                                                    Length = len (msg2)
                                                                    Goto 999
```

BI

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VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]BSDRIVER.FOR;1

PROGRAM SECTIONS

Name

Dytes Attributes

291 PIC CON REL LCL SHR EXE RD NOWRT LONG
1 SPDATA
387 PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL
104 PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated
782

ENTRY POINTS

Address Type Name

0-00000000 UCB\$\$B_BS_ERRMSG

VARIABLES

Address Type Name Address Type Name

2-00000050 I*4 LENGTH AP-00000004a L*1 LUN 2-00000000 CHAR MESSAGE AP-00000008a I*4 UCB\$B_BS_ERRMSG

LABELS

Address Label Address Label Address Label Address Label Address Label Address Label 0-0000004E 0-000000C2 1-00000004 0-00000004 0-00000066 0-000000E6 0-0000007D 1-00000021 30 0-00000094 0-000000F6 0-000000AB 50

FUNCTIONS AND SUBROUTINES REFERENCED

Type Name

LINCHK

end

VI

EN

BI

PF

N 13 16-Sep-1984 00:00:33 VAX-11 FORTRAN V3.4-56 Page 10 5-Sep-1984 13:48:56 DISK\$VMSMASTER:[ERF.SRC]BSDRIVER.FOR:1

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:BSDRIVER/OBJ=OBJ\$:BSDRIVER MSRC\$:BSDRIVER

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLODE,MAP)
/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 4.39 seconds Elapsed Time: 17.23 seconds Page Faults: 179 Dynamic Memory: 182 pages

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BI

CORPORATION EQUIPMENT DIGITAL AH-BT13A-SE 0146 CONFIDENTIAL AND PROPRIETARY VAX/VMS V4.0 II RSS St intillia le i k 10000 Lateral M. Mil. West III West 1114年 左 OPCODES FOR MINE MINE N THE S FRF F ie inder til 11 18 FAME &

B. BE